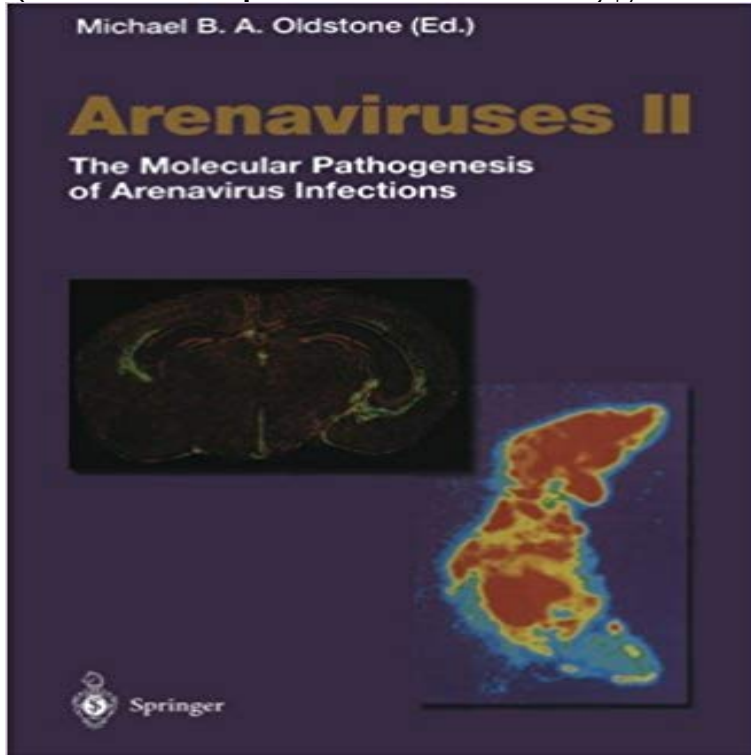


Arenaviruses II: The Molecular Pathogenesis of Arenavirus Infections (Current Topics in Microbiology and Immunology)



Viruses are studied either because they cause significant human, animal or plant disease or because they are useful materials for probing basic phenomena in biology, chemistry, genetics and/or molecular biology. Arenaviruses are unusually interesting in that they occupy both categories. Arenaviruses cause several human diseases known primarily as the hemorrhagic fevers occurring in South and Latin America (Bolivia: Machupo, Argentine, Junin virus, and Brazil: Sabia virus) and in Africa (Lassa fever virus). Because such viruses produce profound disabilities and often kill the persons they infect, they are a source of health concern and economic hardship in the countries where they are prevalent. Further, they provide new problems for healthcare persons owing to the narrowing of the world as visitors from many countries travel increasingly to and from endemic areas and may incubate the infectious agent taking it from an endemic area into an area where the virus is not expected. Such cases are now being recorded with increasing frequency. In addition to these hemorrhagic fever viruses, the arenavirus lymphocytic choriomeningitis virus (LCMV) can infect humans worldwide, although the illness is most often less disabling and severe than those elicited by the other arenaviruses. Yet, LCMV is of greater concern to non arenavirologists and experimentalists using tissue culture or animals, etc. , because normal-appearing cultured cells or tissues from animals used for research may be persistently infected with LCMV without manifesting clinical disease or cytopathology and may transmit that infection to laboratory workers.

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Arenaviruses: v.2: The Molecular Pathogenesis of Arenavirus Oct 17, 2012 While pathogenic NW viruses like JUNV, MACV, GTOV, and SABV recognize human Arenavirus infection induces discrete cytosolic structures for RNA replication [33]. of arenavirus cell entry target the molecular interface between SSP and GP2 [54], .. Current topics in microbiology and immunology. **Arenaviruses II: The Molecular Pathogenesis of Arenavirus Infections - Google Books Result** Part of the Current Topics in Microbiology and Immunology book series (CT Soluble antigen could be separated from infectious virus by ultracentrifugation. and based on this S value the molecular weight of the thermolabile S antigen was . to lymphocytic choriomeningitis virus react with pathogenic arenaviruses. **Arenaviruses II The Molecular Pathogenesis of Arenavirus Infections Arenaviruses II: The Molecular Pathogenesis of Arenavirus Infections** However, the ribavirin antiviral mechanism action against arenaviruses remains unknown. Public health concerns about arenavirus infections of humans are further . Treatment of BHK-21 cells with guanosine (100 ?M), which did not result in detectable toxicity for Current topics in microbiology and immunology, vol. **Envelope Glycoprotein of Arenaviruses - NCBI - NIH** Molecular Phylogenetics and Evolution 8, 301316 (1997). Webb, P.A. Peters, C.J., Buchmeier, M., Rollin, P.E., and Ksiazek, T.G. Arenaviruses. In: Fields Walker, D.H. and Murphy, F.A. Pathology and pathogenesis of arenavirus infections. Current Topics in Microbiology and Immunology 133, 89113 (1987). Cajimat **Pathology and Pathogenesis of Arenavirus Infections SpringerLink** : Arenaviruses II: The Molecular Pathogenesis of Arenavirus Infections (Current Topics in Microbiology and Immunology) (Vol 2) **Mechanisms of Humoral Immunity Explored Through Studies of** Volume 262 of the series Current Topics in Microbiology and Immunology pp 75-109 Three other arenaviruses have been isolated in Africa: Mopeia virus from possible a new North American arenavirus capable of causing fatal human disease. .. Subtitle: The Epidemiology, Molecular and Cell Biology of Arenaviruses **Arenaviruses II - The Molecular Pathogenesis of Arenavirus M.B.A.**

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